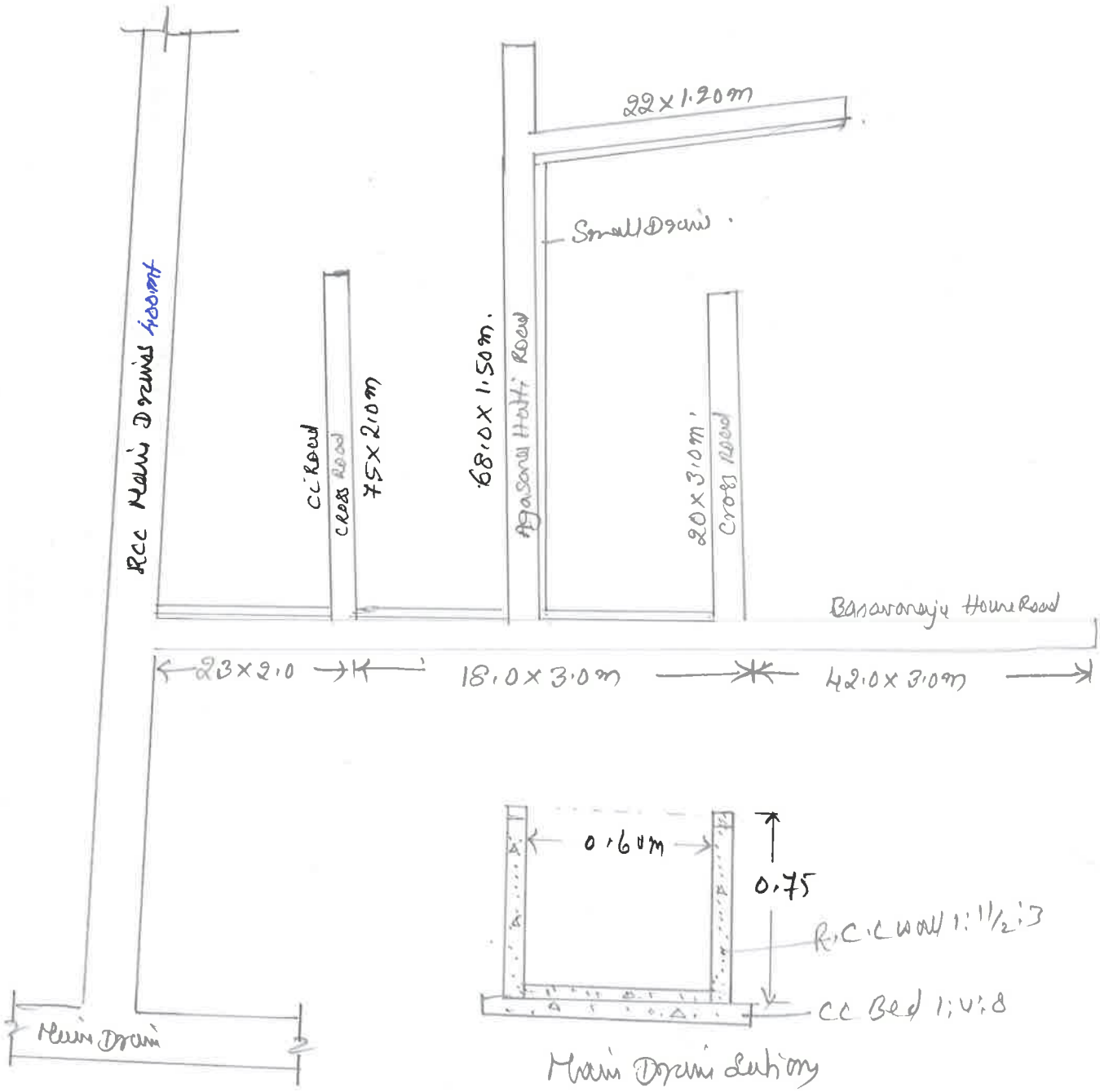
NAME OF WORKS: providing Concrete drains in Agasarahatti Jakkur Village ward no 7. Byatarayanapura.
Est Cost Rs 25.00 Lakhs



Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

NAME OF WORK:- ***Estimate for Providing Concreate drains in Agasarahatti, Jakkur village ward no 07 Byatarayanpura***

							ESTIMATED COST		25.00 lakhs
Sl No	Description of work	Unit	No	L	B	D	QTY	Rate in Rs	Amount in Rs
1	KSRRB 300-47 Scarifying Kankar /gravel/ metal crust upto 150mm thick with power roller and scarifier , disposal of stuff including cost of labour charges HOM of machinaries MORTH Specification No. 305.4.3 (P-146, Item No. 19.53 SR 2015-16)							Sqm	
	Basavaraju House road		1	42.00	3.00		126.00		
			1	18.00	3.00		54.00		
			1	23.00	2.00		46.00		
	cross road		1	75.00	2.00		150.00		
	Agsara hatti road		1	68.00	1.50		102.00		
			1	22.00	1.20		26.40		
	Cross road		1	22.00	3.00		66.00		
							570.40	**25.92**	**14785.00**
	Basic Rate Rs.	24.00							
	Add 8% A.W Rs.	1.92							
	Total Rate Rs.	25.92							
2	KSRRB M300-2: Earth work excavation by manual means in Ordinary Soil involving an average horizontal throw up to 2mts and an average lift up to 1.5m, excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications complete as per specifications. MORTH Chapter 3.						Cum		
	(P.No.141, I.No.19.1 of PW,P&IWTD S.R2015-16								
	Drains Basavaraju House road		1	42.00	0.30	0.40	5.04		
			1	18.00	0.30	0.40	2.16		
			1	23.00	0.60	0.40	5.52		
	Agsara hatti road		1	68.00	0.30	0.40	8.16		
			1	22.00	0.30	0.40	2.64		
	Cross road		1	22.00	0.30	0.40	2.64		
	Main drain (RCC)		1	400.00	1.00	0.80	320.00		
							346.16	83.16	**28787.00**
	Basic Rate Rs.	77.00							
	Add 8% A.W Rs.	6.16							
	Total Rate Rs.	**83.16**							
3	KSRB 4-1.3: Providing and laying in position plain cement concrete of I mix M10 With OPC cement @ 220 Kgs with 40mm and down size graded granite metal coarse aggregates @ 0.892 cum and fine aggregates @ 0.465 cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (P. 12, I.No. 4.3) SR-2015-16						cum		
	Basavaraju House road		1	42.00	3.00	0.10	12.60		
			1	18.00	3.00	0.10	5.40		
			1	23.00	2.00	0.10	4.60		
	cross road		1	75.00	2.00	0.10	15.00		
	Agsara hatti road		1	68.00	1.50	0.10	10.20		
			1	22.00	1.20	0.10	2.64		
	Cross road		1	22.00	3.00	0.10	6.60		
	Main drain (RCC)		1	400.00	1.00	0.15	60.00		
							117.04	5070.6	593463.00
	Basic Rate	4695							
	Area Weightage @ 8%	375.6							
	Total	5070.6							

4	KSRB5 25 providing and constructing non load bearing with cement concreate solid blocks with compresive strenth not less than 3.5 newtown per sqmm with cement mortor 1:4 with block of size 40X20 X20cms (lXbXh) conforming to is:2185/1965 in superstructure including the cost of materials labour charges , scaffolding curing complete as specification (P.No.25 I.No.5.27 of PW,P&IWTD S.R 2015-16						sqm		
	Basavaraju House road		2	42.00	0.40		33.60		
			2	18.00	0.40		14.40		
			2	23.00	0.40		18.40		
	Agsara hatti road		2	68.00	0.40		54.40		
			2	22.00	0.40		17.60		
							138.40	**1018.44**	**140952.00**
	Basic Rate Rs.	943.00							
	Add 8% A.W Rs.	75.44							
	Total Rate Rs.	1018.44							
5	KSRRB 300-58. Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications. (148, I.No. 19.64) 2015-16						**Sqm**		
	Basavaraju House road		1	42.00	3.00		126.00		
			1	18.00	3.00		54.00		
			1	23.00	2.00		46.00		
	cross road		1	75.00	2.00		150.00		
	Agsara hatti road		1	68.00	1.50		102.00		
			1	22.00	1.20		26.40		
	Cross road		1	22.00	3.00		66.00		
							570.40	**4.86**	**2772.00**
	Basic Rate	**4.50**							
	Area Weightage @ 8%	**0.36**							
	Total	**4.86**							
6	Providing and laying cement concrete using 20mm and down size granite jelly of ready mix concrete for RCC works laid in 15 cm thick layers and well compacted including vibrating curing etc., including smooth finish in CM 1:3, with all lead and lift etc., complete. (exculsive of cost of steel, fabrication and plastering charges)Ready mixed Cement concrete for Beams, Columns, Staircase and Roof with M-20 (1:1.5:3) (Cement-3320Kg/cum) (P. 18, I.No. 4.48 SR-2015-16								
	Basavaraju House road	cum	1	42.00	3.00	0.10	12.60		
			1	18.00	3.00	0.10	5.40		
			1	23.00	2.00	0.10	4.60		
	cross road		1	75.00	2.00	0.10	15.00		
	Agsara hatti road		1	68.00	1.50	0.10	10.20		
			1	22.00	1.20	0.10	2.64		
	Cross road		1	22.00	3.00	0.10	6.60		
	Main drain (RCC)		2	400.00	0.75	0.12	72.00		
	bottom		1	400.00	0.60	0.10	24.00		
	RCC Covering Slab		1	400.00	0.75	0.10	30.00		
							153.04	6332	969055.00
	Basic Rate	5863							
	Area Weightage @ 8%	469.04							
	Total	6332.04							

7	Vaccum de-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator, HOM of machinery, Screed Vibratory, Power Floater, blade and disc etc., with all lead and lift. (P. 174 I. No. 22.7) SR-2015-16						Sqm		
	Basavaraju House road		1	42.00	3.00		126.00		
			1	18.00	3.00		54.00		
			1	23.00	2.00		46.00		
	cross road		1	75.00	2.00		150.00		
	Agsara hatti road		1	68.00	1.50		102.00		
			1	22.00	1.20		26.40		
	Cross road		1	22.00	3.00		66.00		
							570.40	97.20	55443.00
	Basic Rate	90.00							
	Area Weightage @ 8%	7.20							
	Total	97.20							
8	Providing groove cutting for width of 5mm to 10mm and depth 80mm-100mm including cost of cutting machine, generator & HOM of machinery, including cost of blade,coolant etc., including cleaning of groove & providing sand and hot bitumen fillars, and filler metal etc., including cost of conveyance of all materials, labour, lead and lift charges and all other incidental charges as per drawing and as per specifications. for concrete pavement(P. 172, I. No. 22.8.1) SR-2015-16						Rmtr		
	Roads		20	2.50			50.00		
							50.00	124.20	6210.00
	Basic Rate	115.00							
	Area Weightage @ 8%	9.20							
	Total	124.20							
9	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. (P. 17, I.No. 4.46.2) SR-2015-16								
	100.8cumx@80kg/Cum						8064.00		
	31.5cumx@40kg/Cum						1260.00		
							9324.00		
							9.30	69805.80	649194.00
	Basic Rate	64635.00							
	Area Weightage @ 8%	5170.80							
	Total	69805.80							
10	Lead for Disposal of Debris shall be payable at carage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 5.00 Km (Page No.141)							Cum	
	Basic rate for haulage of materials as per item no.17.4 page 141) Rs. 2.00								
	Average weight of earth 1.28		Qty vide Item No.2				346.16	72.71	25169.00
	Basic Tate Lead Charges upto	62.20							
	2x1.28x2 =	5.12							
	Loading and unloading	67.32							
	Average Weight of earth 1.28	5.39							
		72.71							
13	Miscelleneous & Rounding off								14170.00
								Toatl Rs.	2500000.00
	(Rupees:- Twenty five Lakhs Only)								

Technical Sanction
Accorded For ..2500 Lakhs.
Head of A/C..P-1771.
CER NO :..28..... Dt:..26/12/15

Superintending Engineer
Yelahanka Zone
BBMP, Bangalore

Administrative Approval
Accorded For ..2500000/-
Head of A/C..P-1771...
CER NO :..69..... Dt..14.12.2015

TA CE (YNK)

CERTIFICATE:

1 The work spot has been inspected me and the work is found to be necessary.
2 The estimate is prepared as per PW, P&IWTD S.R Bangalore circle for the year 2015-16
3 The Provisions made in the estimate are quite necessary and adequate.
4 The area comes with in the BBMP limits.

Junior Engineer
Ward No. 07

Assistant Executive Engineer
Kodigehalli Sub Division

Executive Engineer
Byatarayanapura Division